

Cellular communications network with search function

Abstract

A cellular communications network has a large number of communications cells each with at least one base station for cordless communication with a large number of mobile telephones and a home location register for registering the mobile telephones. According to the invention, mobile telephones can be switched to a passive mode, in which they are not recognizable as normal network subscribers and detect a specific search signal for the particular mobile telephone, and then send a response signal. Mobile telephones in the passive mode are stored in a memory in the home location register. The base stations are designed to emit a mobile-telephone-specific search signal of this nature, the position of the sought mobile telephone being determined as a result of response signals detected by the base stations.